

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claim 1-7 (Cancelled)

Claim 8 (Previously presented): A method of treating obesity by inhibiting fatty acid synthesis in an individual comprising:

administering to the individual a compound in an amount effective to lower Slc25a10 gene expression level in the individual relative to the Slc25a10 gene expression level in the individual in the absence of the compound.

Claim 9 (Previously presented): The method of claim 8, wherein the compound comprises one or more RNAi molecules.

Claim 10 (Currently amended): The method according to claim 9, wherein said RNAi molecules are synthesized from a DNA sequence pair selected from the group consisting of ~~siRNA molecules consisting of the nucleic acids of~~ the DNA sequences of SEQ ID NOs: 3 and 4, ~~siRNA molecules consisting of the nucleic acids of~~ the DNA sequences of SEQ ID NOs: 5 and 6, ~~siRNA molecules consisting of the nucleic acids of~~ the DNA sequences of SEQ ID NOs: 7 and 8, ~~siRNA molecules consisting of the nucleic acids of~~ the DNA sequences of SEQ ID NOs: 9 and 10, ~~siRNA molecules consisting of the nucleic acids of~~ the DNA sequences of SEQ ID NOs: 11 and 12, ~~siRNA consisting of the nucleic acids of~~ the DNA sequences of SEQ ID NOs: 17 and 18, ~~siRNA molecules consisting of the nucleic acids of~~ the DNA sequences of SEQ ID NOs: 21 and 22, ~~siRNA molecules consisting of the nucleic acids of~~ the DNA sequences of SEQ ID NOs: 23 and 24, and ~~siRNA molecules consisting of the nucleic acids of~~ the DNA sequences of SEQ ID NOs: 25 and 26.

Claim 11 (Currently amended): A method of treating obesity by inhibiting fatty acid synthesis according to claim 9, wherein said RNAi molecules are synthesized from a DNA sequence pair having the DNA sequences ~~consists of the nucleic acids of~~ SEQ ID NOs: 9 and 10.

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· Claims 12-30 (canceled)